

AMENDMENTS TO THE SPECIFICATION

Please add the following before paragraph [0001]

Background on the Invention

Please replace paragraph [0002] with the following:

The harness in particular is a cable. When producing such harnesses and in particular cables, the jacket or coating is normally affixed to the conductor by means of extrusion, wherein the ~~conductor-jacket~~ can consists- consist of one layer or can be composed of several layers that concentrically surround the conductor.

Please replace paragraph [0014] with the following:

The object is solved with a ~~the disclosed device, based on the teaching according to the patent claims.~~ the disclosed device, based on the teaching according to

Please replace paragraph [00056] with the following:

The subject matter furthermore includes a method, ~~based on the teaching in the method claims.~~

Please add the following before paragraph [00057]

Brief Description of the Drawings

Please replace paragraph [00062] with the following:

Figure 5 A view that is ~~analog~~ analogous to Figure 4, but with the conductor axis being tilted relative to the central axis;

Please add the following before paragraph [00067]

Detailed Description of the Invention

Please replace paragraph [00067] with the following:

With the device according to the invention, e.g. as shown in Figure 1, a cable 3 is guided through a measuring device 2 in the form of a measurement yoke, ~~2~~. As can be seen in Figure 3, this cable 3 has a centered conductor 4 that is surrounded by a jacket 5 of an insulating material. A cable 3 of this type is normally produced by extruding it. The device according to the invention or the measurement yoke 2 can be integrated into the currently running production line for this cable 3 and can be positioned downstream of the extrusion nozzle, either in front of the normally used cooling bath or even behind it. A current 9 is induced in this cable 3 with the aid of an oscillator 6, e.g. a 160 kHz oscillator, and an amplifier 7 (e.g. 60 watt), as well as an inductor 8.

Please replace paragraph [00081] with the following:

The only difference between the views shown in Figures 4 and 5 is that in Figure 5 the cable 3 is tilted relative to the central axis Z, but in such a way that the conductor 4 of this cable 3 extends through the central measuring point S in the measuring plane M. The differential voltage in this case is again equal to zero, provided the conductor 19 is arranged centrally inside the cable 3 or its jacket 5. ~~4~~. The reason for this is that owing to the

arrangement selected, the field intensities are determined in the active measuring plane and not, for example, in front of the measuring plane M by means of the measuring coil combination $+X^1$, $-X^1$ or behind the measuring plane M by means of the measuring coil combination $+X^2$ and $-X^2$. Thus, it is not necessary to guide the conductor to be measured in such a way through the measuring device according to the invention that the conductor axis 19 coincides precisely with the central axis Z. The device according to the invention is therefore considerable more error-tolerant since the optical as well as the inductive measurement relate to the active measuring plane M and the cable 3 is located in the same plane for both measurements.

Please replace paragraph [00088] with the following:

The centricity of the conductor 4 inside the cable ~~jacket 5~~ ~~{sic}~~ can be determined, even if the cable ~~5~~ 3 as such is not guided precisely through the central measuring point S because the latter circumstance can be determined with the optical measuring device. In that case, the inductive measuring coil arrangement would have to indicate a specific differential voltage. If the measured differential voltage differs from the desired differential voltage, it can be mathematically compensated and the eccentricity or centricity of the conductor ~~4~~ 3 inside the cable jacket 5 can be determined. However, for the highest possible measuring accuracy, it is preferable if either the position of the optical measuring device or that of the inductive measuring coil arrangement can be changed and adjusted, such that the cable 3 again extends through the central measuring point S, wherein such options for changing and adjusting are disclosed in prior art.

Please replace paragraph [00097] with the following:

The values determined with the various above-described measuring coils are processed with the aid of electronics 23 for the inductive measurement and fed to a central computer unit 25. The values determined during the optical measurement are processed with electronics 24 for the optical measurement and fed to the same central computer 25. A synchronizing device ~~17~~ 29 connects the electronics 23 to the electronics 24 and ensures that all inductive and optical measurements occur simultaneously.

Please cancel pages 30 and 31.